

## Anti-VGlut1 Antibody



### Product Details

|                           |                                                                                                                                                                                               |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Available Variants</b> | 100 $\mu$ L (SKU:75-066)<br>20 $\mu$ L (SKU:75-066-020)                                                                                                                                       |
| <b>Conjugate</b>          | Unconjugated                                                                                                                                                                                  |
| <b>Isotype</b>            | IgG1                                                                                                                                                                                          |
| <b>Clone</b>              | N28/9                                                                                                                                                                                         |
| <b>Gene Name</b>          | Slc17a7 Bnpi Vglut1                                                                                                                                                                           |
| <b>Host Species</b>       | Mouse                                                                                                                                                                                         |
| <b>Concentration</b>      | 1 mg/mL                                                                                                                                                                                       |
| <b>Format</b>             | Purified by Protein A chromatography                                                                                                                                                          |
| <b>Physical State</b>     | Liquid                                                                                                                                                                                        |
| <b>Buffer</b>             | 10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.4                                                                                                                                 |
| <b>Production Notes</b>   | Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography. Purified mAbs are >90% specific antibody.                                            |
| <b>Applications</b>       | ELISA, EM, Flow, ICC, IHC, WB                                                                                                                                                                 |
| <b>Species Reactivity</b> | Fish, Human, Mouse, Rat                                                                                                                                                                       |
| <b>Immunogen</b>          | Fusion protein amino acids 493-560 (cytoplasmic C-terminus) of rat VGlut1 (accession number Q62634) produced recombinantly in E. Coli                                                         |
| <b>Specificity</b>        | Does not cross-react with VGlut2 or VGlut3                                                                                                                                                    |
| <b>Molecular Weight</b>   | 52 kDa                                                                                                                                                                                        |
| <b>Quality Control</b>    | Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.                                       |
| <b>Storage</b>            | Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$ . For maximum recovery of product, centrifuge the vial prior to |

removing the cap.

**Antibody Registry ID** AB\_2187693

**UniProt ID** [Q62634](#)

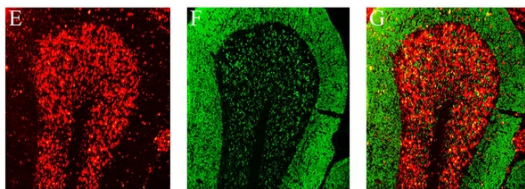
**Country of Origin** United States

**Shipping** Shipped on ice packs

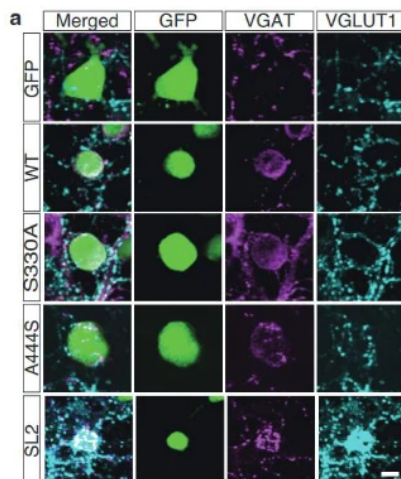
**Expiration** 24 months from date of receipt

**Usage Statement** These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

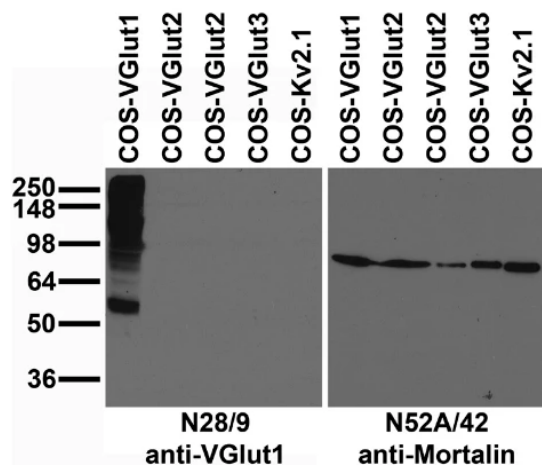
## Product Images



Coronal sections of rat cerebellum, stained with human patient autoantibodies (E, red) and anti-vGlut1 (F, green labeling, Cat no 75-066, 1:300). Colocalization was not observed when mixing the anti-VGlut1 with the autoantibodies (merge G, red labeling + green labeling). In addition, autoantibody labeling was identified with Cy3 red labeling, while the antibodies were identified with Alexa488 green labeling. CC-BY-4.0 [PMID: 37383228](#)



HEK293T transfectants expressing SLITRK1 or its mutants were co-cultured with hippocampal neurons. Two days after co-culture, induced pre-synapses were quantified through VGAT or VGLUT1 immunostaining and GFP. Image from publication CC-BY-4.0. [PMID:36085162](#)



Immunoblot against extracts of COS cells transfected with untagged VGlut or Kv2.1 plasmid and probed with N28/9 (left) or N52A/42 (right) TC supe.

Product Page URL: [www.antibodiesinc.com/products/anti-vglut1-antibody-n28-9-75-066](http://www.antibodiesinc.com/products/anti-vglut1-antibody-n28-9-75-066)



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